

CLAIMS:

1. A sterilization chamber for sterilizing objects, comprising a vacuum conduit connected to a vacuum pump, also comprising a conduit for a vapour composite consisting of water vapour and hydrogen peroxide vapour, and comprising a conduit for flood gas for application in a process in which the vapour composite, fed without carrier gas flow into the sterilization chamber in which a vacuum prevails, settles on the surfaces of the objects to be sterilized and on the surfaces of the sterilization chamber in the form of a condensation layer, which is suctioned off after a pre-determined reaction time by means of further evacuation of the sterilization chamber, wherein the surfaces (13) of the sterilization chamber (4) are made of poor heat-conducting, water-repellent material.
2. A sterilization chamber according to claim 1, wherein its surfaces (13) have a coating (16) of plastic, glass or closed-pore ceramic material.